



Ministry of Energy & Mines  
Energy & Minerals Division  
Geological Survey Branch

ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]  
PXRF STUDY OF LIMONITE GEOCHEMISTRY FOR CU, ZN, PB AND AS TOTAL COST 74650

AUTHOR(S) CRAIG KENNEDY SIGNATURE(S) Craig Kennedy

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) N/A YEAR OF WORK 2023

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) \_\_\_\_\_

PROPERTY NAME RED 1

CLAIM NAME(S) (on which work was done) RED 1 TENURE 1041642

COMMODITIES SOUGHT Pb, Zn, Cu, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN \_\_\_\_\_

MINING DIVISION FORT STEELE NTS TRIM MAP 082069

LATITUDE — ° — LONGITUDE — ° — (at centre of work)

OWNER(S) UTM CO-ORDINATES 0543700E - 5499356N

1) DARLENE LAVOIE 2) \_\_\_\_\_

MAILING ADDRESS  
2290 DEWOLFE AVE  
KIMBERLEY B.C. VIA-1P5

OPERATOR(S) [who paid for the work]  
1) CRAIG KENNEDY 2) \_\_\_\_\_

MAILING ADDRESS  
2290 DE WOLFE AVE  
KIMBERLEY B.C. VIA-1P5

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):  
PROTEROZOIC ALDRIGE FORMATION - MIDDLE ALDRIGE, HIAWATHA MARKER,  
CRENULATED SHEAR ZONE, HALL LAKE FAULT - NORTH/SOUTH STRUCTURAL  
PATTERNS

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 14197, 31587, 32893  
36667, 39086

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping _____			
Photo interpretation _____			
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
<b>GEOCHEMICAL</b>			
(number of samples analysed for ...)			
Soil _____			
Silt _____			
Rock _____	PXRF	RED1 - 1041042	3000-
Other _____			
<b>DRILLING</b>			
(total metres; number of holes, size)			
Core _____			
Non-core _____			
<b>RELATED TECHNICAL</b>			
Sampling/assaying _____			
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
<b>PROSPECTING (scale, area)</b> _____			
<b>PREPARATORY/PHYSICAL</b>			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other <u>REPORT</u>			1650-
<b>TOTAL COST</b>			<b>\$4650-</b>

Assessment Report  
**RED PROPERTY**  
**pXRF Study of Limonite Geochemistry**  
**for Cu, Zn, Pb and As**

FORT STEELE MINING DIVISION  
NTS. MAP SHEET 082F.069  
UTM COORDINATES 0543686E – 5499942N

Report:

Craig Kennedy, Prospector  
Kimberley BC

Property Owner & Operator:

Darlene Lavoie  
2290 Dewolfe Ave  
Kimberley, BC

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## **1.00 INTRODUCTION**

Two days were spent collecting limonite rock samples from the Red-1-16 claim tenure 1041042. The target area is a roughly north-south structure zone which had previously been defined by soil geochemistry assessment report #14197. Nine sample sites had limonite collections of between 11 – 16 individual rocks. Sample sites one through eight were roughly perpendicular to the north-south structural trench; sample 9 was from a bedrock occurrence slightly off line.

### **1.10 Location and Access**

The Red-1-16 tenure claim 1041042 is located approximately 26 km from Kimberley, BC. The claim is located on the south facing aspect of the lower Redding Creek drainage, a main tributary of the St. Mary River. It is centered at UTM coordinates 10543686E – 5499942N on topographic map 082F.069. The property is accessed by the Redding Creek FSR and a heavily brushed in branch road.

### **1.20 History**

The Red-1-16 claim has seen moderate to heavy levels of exploration over the last 50 years. Work has been conducted by major and junior mining companies with more recent exploration work having been carried out by individuals. For previous exploration activities see assessment reports 14197, 24820, 25842 and 32893

### **1.30 The Property and Tenures**

The Red-1-16 tenure #1041042 is owned by Darlene Lavoie of Kimberley and is located in the Fort Steele mining division.

### **1.40 Physiography**

The claim resides on moderate to steep terrain along the south facing slope of Redding Creek. The area is heavily brushed with mature forest and second growth after timber harvesting.

**1.50 Purpose of Work**

The limonite collection program was established to see whether the source of the significant historic soil anomaly for Zn, Pb, Cu and As could be observed by pXRF analysis of limonite stained float chips. Sample sites were approximately 10 meters by 5 meters in size; each site consisted of 11 to 16 individual limonite stained rocks. It was hoped that some of the rocks sampled would be anomalous and provide an observable reason for the soil anomaly.



**Figure 1, Regional Property Location Map**

**Red-1-16 Property Location**

**2.00 GEOLOGY**

The Red-1-16 property overlays rocks of the Lower Middle Aldridge and the Hiawatha marker bed is known to outcrop on the claim. The Hiawatha marker in a perfect column with no gabbro sills resides 475+ meters above the Sullivan Horizon. The Sullivan Horizon is the host for the past producing world class Sullivan Sedex deposit at Kimberley BC. The claim specifically covers an area with a historic

anomalous base metal soil anomaly; the anomaly is associated with a wide zone of highly contorted and cleaved rocks which strike north-south.

### **3.00 LIMONITE AND GEOCHEMISTRY PROGRAM**

Previous pXRF analysis of limonites has in a number of instances provided observable reasons for the base metal anomalies. With the historic soil anomaly existing, the idea was to collect thought to be proximal rock float pieces for analysis. The program was to potentially provide a strong certainty as to the source of the soil anomaly. This report provided information on using the pXRF as a tool to help define anomalous sources for soil anomalies in bedrock covered areas.

#### **3.10 Methodology pXRF Limonites Sample Procedure**

Limonite rock pieces were collected from a historic anomalous soil sampled till area in Redding Creek drainage approximately 30 km west of Kimberley, BC. A UTM coordinate was taken at each site using a hand held GPS unit and description was recorded and can be found in Appendix 1.

Samples collected for portable XRF analysis were labeled using a black marker with field designation and placed in a large poly ore sample bag. Samples were later sorted and a Thermal Fischer Scientific Nitron XL3 portable XRF unit was used to take readings. Sample numbers were inputted into the device corresponding with the field station number. All readings with the pXRF unit represent ppm values.

121 individual rock samples were collected from 9 different sites across a north-south interpreted structural zone previously highlighted by a significant soil anomaly. Between 1 and 16 rocks were collected from each site. Collections were collected from an average 10 X 5 meter area. All rocks had a 30 second XRF reading from spot limonite areas.

## 4.00 RESULTS

As mentioned in previous reports this method of mineral exploration measuring base metal content of limonites using a pXRF is a grassroots prospecting technique. Caution is required in using the data beyond its prospecting bias. The hypothesis is that limonites provide a large portion of anomalous metals within soil profiles. Soil and bio-geochemistry results are in part related to base metal rich limonite contents within the soil. This program was designed to discover whether the source of a significant historic soil anomaly could be better understood with the analysis of rock pieces with limonites.

In the writer's opinion, the pXRF limonite survey has provided a good indication for the source of the historic soil anomaly. Following are selected results and descriptions provided for evidence.

Sample Red-01-C2: Cu 0 ppm, Zn 8397 ppm, Pb 5920 ppm, As 592 ppm~~foliated, cleaved, siliceous sediment. A grain of galena recognized near black orange limonite coating.

Sample Red-02-H2: Cu 60 ppm, Zn 37 ppm, Pb 4078 ppm, As 97 ppm~~foliated, cleaved, siliceous with remnant quartz vein. Brown orange limonite coating.

Sample Red-03-F: Cu 0 ppm, Zn 20,000 ppm, Pb 3436 ppm, As 318 ppm~~foliated, cleaved, siliceous sediment. A grain of galena recognized within a dark brown limonite coating.

Sample Red-04-G: Cu 248 ppm, Zn 1227 ppm, Pb 1482, As 88 ppm~~foliated, cleaved siliceous sediment Reddish dark brown limonite coating.

Sample Red-05-J: Cu 285, Zn 505 ppm, Pb 782 ppm, As 73 ppm~~foliated, cleaved siliceous sediment Reddish dark brown limonite coating.

West of samples Red1, 2, 3, 4 and 5, an exposure of shear zone material in the old road bed was dug out. This zone has limonite with anomalous values.

Sample Red-08F: Cu 42 ppm, Zn 1059 ppm, Pb 853 ppm, As 82 ppm~~foliated cleaved siliceous sediment, orange limonite coating. The similarity of this bedrock occurrence character to the rock piece samples collected at sites 1 through 5 gives confidence to what the source of the historic soil sample anomaly likely is.

## 5.00 CONCLUSION

Initial indications are that soil sample anomaly sources can be better defined by follow-up pXRF surveys which analyse proximal rock pieces with limonite coatings. As mentioned previously the anomalous rock samples can provide observable evidence for the source of base metal limonite contamination.

## 6.00 STATEMENT OF EXPENDITURES

Craig Kennedy, Prospector:

Jun 28, 29, 30, Jul 1/23

4	Man days @ 550.00	\$ 2,200.00
2	Truck days @ 200.00	400.00
2	pXRF Rental @ 200	400.00
	Report & Maps	<u>1,650.00</u>
		<u>\$ 4,650.00</u>

## 7.00 STATEMENT OF QUALIFICATIONS

I, Craig Kennedy, certify that:

1. I am an independent prospector residing at 2290 Dewolfe Avenue, Kimberley, BC.
2. I have been actively prospecting in the East and West Kootenays district of BC for the past 41 years and have made my living prospecting for the past 29 years.
3. I have been employed as a professional prospector by major and junior mineral exploration companies.
4. I own and maintain mineral claims in BC and have optioned numerous claims to various exploration companies.

*Craig Kennedy*

# **APPENDIX 1**

Spreadsheet for

RD LIMONITE FIELD STATIONS  
INDIVIDUAL VALUES and  
AVERAGE VALUES PER STATION FOR Cu, Zn, Pb, As  
IN PPM

REDDING CREEK~~GROUPINGS AND AVERAGES PER STATION IN PPM										
Description Codes: BRN= Brown, ORG= Orange, BLK= Black,										
Sample	XRF No.	E	N	Cu	Zn	Pb	As	Type	Comments	NOTES
ET22-SO1	1825			706	89	35	18		STANDARD	
RED1-A	2393	543570	5500277	0	61	18	12	SED	BRN LIM	STAIN
RED1-B	2394	543570	5500277	30	108	18	13	SED	DRK BRN LIM	COATING
RED1-C1	2395	543570	5500277	23	909	85	0	SED	BLK LIM	COATING
RED1-C2	2396	543570	5500277	0	8397	5920	592	SED	BLK ORG LIM	COATING
RED1-D1	2397	543570	5500277	174	462	87	20	SED	ORG BRN LIM	COATING
RED1-D2	2398	543570	5500277	685	201	74	21	SED	BRN LIM	COATING
RED1-E	2399	543570	5500277	44	375	48	13	SED	ORG BRN LIM	COATING
RED1-F1	2400	543570	5500277	309	268	28	22	SED	BRN ORG LIM	COATING
RED1-F2	2401	543570	5500277	324	629	122	58	SED	ORG BRN LIM	COATING
RED1-G	2402	543570	5500277	65	667	65	74	SED	BRN LIM	COATING
RED1-H	2403	543570	5500277	105	426	48	32	SED	BRN DRK BRN LIM	COATING
RED1-I	2404	543570	5500277	352	63	125	0	SED	BRN LIM	COATING
RED1-J	2405	543570	5500277	997	2463	7130	2352	SED	ORG DRK BRN LIM	COATING
RED1-K	2406	543570	5500277	94	485	225	0	SED	BRN LIM	COATING
		AVERAGES		229	1108	1000	229			
RED2-A	2407	543536	5500280	0	572	37	12	SED	DRK BRN LIM	COATING
RED2-B	2408	543536	5500280	95	1966	1659	175	SED	BRN LIM	POWDERY COATING
RED2-C	2409	543536	5500280	165	320	83	0	SED	BRN ORG LIM	COATING
RED2-D	2410	543536	5500280	30	127	11	0	SED	DRK BRN LIM	PATCH

**REDDING CREEK~~GROUPINGS AND AVERAGES PER STATION IN PPM**

Description Codes: BRN= Brown, ORG= Orange, BLK= Black,

Sample	XRF No.	E	N	Cu	Zn	Pb	As	Type	Comments	NOTES
RED2-E1	2411	543536	5500280	0	81	0	0	SED	ORG BRN LIM	COATING
RED2-E2	2412	543536	5500280	592	87	0	0	SED	ORG BRN LIM	COATING
RED2-E3	2413	543536	5500280	0	161	32	21	SED	BRN ORG LIM	COATING
RED2-F	2414	543536	5500280	0	93	0	59	SED	ORG LIM	PATCH
RED2-G	2415	543536	5500280	30	163	23	34	SED	ORG LIM	COATING
RED2-H1	2416	543536	5500280	22	71	186	31	SED	DRK BRN LIM	PATCH
RED2-H2	2417	543536	5500280	60	37	4078	97	SED	BRN ORG LIM	VEIN
RED2-H3	2418	543536	5500280	82	33	630	153	SED	BRN LIM	COATING
RED2-I	2419	543536	5500280	0	26	14	5	SED	BLK DRK BRN LIM	PATCH
RED2-J	2420	543536	5500280	27	60	17	0	SED	BRN LIM	GASHES
RED2-K	2421	543536	5500280	126	297	523	37	SED	BRN LIM	COATING
RED2-L	2422	543536	5500280	56	67	517	97	SED	DRK BRN BRN LIM	COATING
RED2-M	2423	543536	5500280	56	102	50	21	SED	BRN LIM	COATING
RED2-N	2424	543536	5500280	53	193	0	6	SED	DRK DRN BLK LIM	COATING
RED2-O	2425	543536	5500280	0	37	35	22	SED	BRN LIM	COATING
			<i>AVERAGES</i>	73	236	416	41			
RED3-A	2426	543506	5500285	0	105	9	16	SED	BRN DRK BRN LIM	COATING
RED3-B	2427	543506	5500285	58	53	9	5	SED	BRN RED LIM	COATING
RED3-C	2428	543506	5500285	33	291	408	114	SED	BRN DRK BRN LIM	COATING
RED3-D	2429	543506	5500285	147	64	44	193	SED	BRN LIM	VUG
RED3-E	2430	543506	5500285	155	128	39	2361	SED	DRK BRN BRN LIM	COATING

**REDDING CREEK~~GROUPINGS AND AVERAGES PER STATION IN PPM**

Description Codes: BRN= Brown, ORG= Orange, BLK= Black,

Sample	XRF No.	E	N	Cu	Zn	Pb	As	Type	Comments	NOTES
RED3-F	2431	543506	5500285	0	20000	3436	318	SED	DRK BRN BRN LIM	COATING
RED3-G	2432	543506	5500285	0	764	58	0	SED	DRK BRN	COATING
RED3-H	2433	543506	5500285	37	124	15	22	SED	DRK BRN LIM	COATING
RED3-I	2434	543506	5500285	0	344	15	33	SED	BLK LIM	COATING
RED3-J	2435	543506	5500285	28	426	9	0	SED	BRN DRK BRN LIM	COATING
RED3-K	2436	543506	5500285	26	143	7	10	SED	DRK BRN LIM	COATING
RED3-L	2437	543506	5500285	0	81	22	38	SED	DRK BRN LIM	COATING
RED3-M	2438	543506	5500285	44	53	621	76	SED	BLK RED LIM	COATING
		<i>AVERAGES</i>		41	1737	361	245			
RED4-A	2439	543485	5500285	31	73	36	9	SED	BLK LIM	COATING
RED4-B	2440	543485	5500285	0	687	17	65	SED	BLK RED LIM	COATING
RED4-C	2441	543485	5500285	55	90	7	12	SED	BLK DRK BRN LIM	COATING
RED4-D	2442	543485	5500285	208	56	50	57	SED	BRN LIM	COATING
RED4-E	2443	543485	5500285	165	276	82	96	SED	BLK LIM	COATING
RED4-F	2444	543485	5500285	26	260	319	0	SED	BRN LIM	COATING
RED4-G	2445	543485	5500285	30	159	6	77	SED	BRN DRK BRN LIM	COATING
RED4-H	2446	543485	5500285	248	1227	1482	88	SED	BRN LIM	COATING
RED4-I	2447	543485	5500285	0	288	32	80	SED	BRN BLK LIM	COATING
RED4-J	2448	543485	5500285	203	793	882	95	SED	BRN LIM	COATING
RED4-K	2449	543485	5500285	2133	210	27	58	SED	BRN LIM	COATING
RED4-L	2450	543485	5500285	33	117	31	0	SED	BRN LIM	CONCRETION
		<i>AVERAGES</i>		261	353	248	53			

**REDDING CREEK~~GROUPINGS AND AVERAGES PER STATION IN PPM**

Description Codes: BRN= Brown, ORG= Orange, BLK= Black,

Sample	XRF No.	E	N	Cu	Zn	Pb	As	Type	Comments	NOTES
RED5-A	2451	543467	5500291	56	93	12	13	SED	BRN ORG LIM	COATING
RED5-B	2452	543467	5500291	65	447	138	139	SED	BRN LIM	COATING
RED5-C	2453	543467	5500291	170	59	0	12	SED	BRN DRK BRN LIM	COATING
RED5-D	2454	543467	5500291	144	60	58	16	SED	ORG BRN LIM	COATING
RED5-E	2455	543467	5500291	126	62	116	0	SED	BLK RED LIM	COATING
RED5-F	2456	543467	5500291	25	102	14	7	SED	BRN DRK BRN LIM	COATING
RED5-G	2457	543467	5500291	22	103	65	23	SED	DRK BRN BRN LIM	COATING
RED5-H	2458	543467	5500291	149	131	41	66	SED	BRN ORG LIM	COATING
RED5-I	2459	543467	5500291	132	55	26	7	SED	BRN LIM	COATING
RED5-J	2460	543467	5500291	285	505	782	73	SED	RED DRK BRN LIM	COATING
RED5-K	2461	543467	5500291	45	84	46	33	SED	BRN LIM	COATING
		<i>AVERAGES</i>		111	155	118	35			
RED6-A	2462	543441	5500302	44	92	19	15	SED	ORG BRN LIM	COATING
RED6-B	2463	543441	5500302	113	186	26	27	SED	BRN ORG LIM	COATING
RED6-C	2464	543441	5500302	290	307	57	71	SED	BRN ORG LIM	COATING
RED6-D	2465	543441	5500302	0	88	26	38	SED	DRK BRN BRN LIM	COATING
RED6-E	2466	543441	5500302	0	286	32	351	SED	ORG BRN LIM	COATING
RED6-F	2467	543441	5500302	60	65	11	198	SED	ORG BRN LIM	COATING
RED6-G	2468	543441	5500302	287	34	244	64	SED	BRN ORG LIM	COATING
RED6-H	2469	543441	5500302	72	219	33	27	SED	ORG BRN LIM	COATING
RED6-I	2470	543441	5500302	61	153	267	317	SED	ORG BRN LIM	COATING

**REDDING CREEK~~GROUPINGS AND AVERAGES PER STATION IN PPM**

Description Codes: BRN= Brown, ORG= Orange, BLK= Black,

Sample	XRF No.	E	N	Cu	Zn	Pb	As	Type	Comments	NOTES
RED6-J	2471	543441	5500302	52	310	85	79	SED	BRN LIM	COATING
RED6-K	2472	543441	5500302	43	42	12	10	SED	BRN LIM	COATING
RED6-L	2473	543441	5500302	54	86	17	9	SED	BRN LIM	COATING
RED6-M	2474	543441	5500302	0	123	16	38	SED	ORG BRN LIM	COATING
RED6-N	2475	543441	5500302	119	423	29	136	SED	BRN LIM	COATING
RED6-O	2476	543441	5500302	59	74	10	13	SED	BRN LIM	FRACTURE
		<i>AVERAGES</i>		84	166	59	93			
RED7-A	2477	543429	5500308	0	99	35	54	SED	BRN ORG LIM	COATING
RED7-B	2478	543429	5500308	229	1672	5901	1784	SED	DRK BRN BRN LIM	COATING
RED7-C	2479	543429	5500308	62	121	434	117	SED	BRN RED LIM	COATING
RED7-D	2480	543429	5500308	123	191	76	161	SED	ORG DRK BRN LIM	COATING
RED7-E	2481	543429	5500308	51	205	39	347	SED	ORG BRN LIM	COATING
RED7-F	2482	543429	5500308	576	2316	7115	819	SED	ORG LIM	COATING
RED7-G	2483	543429	5500308	315	63	21	61	SED	BRN LIM	COATING
RED7-H	2484	543429	5500308	173	184	22	28	SED	BLK LIM	COATING
RED7-I	2485	543429	5500308	24	137	33	399	SED	BRN ORG LIM	COATING
RED7-J	2486	543429	5500308	47	202	12	0	SED	BRN LIM	COATING
RED7-K	2487	543429	5500308	0	60	79	14	SED	ORG BRN LIM	COATING
RED7-L	2488	543429	5500308	48	25	302	163	SED	BRN ORG LIM	COATING
RED7-M	2489	543429	5500308	0	45	24	21	SED	BRN LIM	COATING
RED7-N	2490	543429	5500308	39	126	46	144	SED	DRK BRN BRN LIM	COATING

**REDDING CREEK~~GROUPINGS AND AVERAGES PER STATION IN PPM**

Description Codes: BRN= Brown, ORG= Orange, BLK= Black,

Sample	XRF No.	E	N	Cu	Zn	Pb	As	Type	Comments	NOTES
RED7-O	2491	543429	5500308	0	204	497	0	SED	BRN ORG LIM	COATING
RED7-P	2492	543429	5500308	0	71	83	29	SED	BRN ORG LIM	COATING
RED7-Q	2493	543429	5500308	91	198	36	0	SED	BRN ORG LIM	COATING
		<i>AVERAGES</i>		105	348	868	244			
RED8-A	2494	543360	5500318	213	53	159	17	SED	BRN ORG LIM	PATCH
RED8-B	2495	543360	5500318	86	106	96	119	SED	ORG BRN LIM	QUARTZ
RED8-C	2496	543360	5500318	258	56	0	0	SED	BLK RED LIM	COATING
RED8-D	2497	543360	5500318	0	61	10	0	SED	ORG LIM	COATING
RED8-E	2498	543360	5500318	234	136	94	111	SED	BRN LIM	COATING
RED8-F	2499	543360	5500318	42	1059	853	82	SED	ORG LIM	COATING
RED8-G	2500	543360	5500318	26	68	8	7	SED	DRK BRN LIM	COATING
RED8-H	2501	543360	5500318	0	207	8	51	SED	DRK BRN ORG LIM	COATING
RED8-I	2502	543360	5500318	164	60	16	75	SED	BRN LIM	COATING
RED8-J	2503	543360	5500318	111	86	38	32	SED	RED LIM	COATING
RED8-K1	2504	543360	5500318	136	146	432	80	SED	RED BLK LIM	COATING
RED8-K2	2505	543360	5500318	222	181	384	55	SED	DRK BRN LIM	COATING
RED8-L	2506	543360	5500318	312	78	54	0	SED	BLK BRN LIM	COATING
RED8-M	2507	543360	5500318	0	32	14	8	SED	BRN ORG LIM	COATING
RED8-N	2508	543360	5500318	40	216	1317	119	SED	BRN ORG LIM	COATING
RED8-O	2509	543360	5500318	123	87	41	36	SED	RED BRN LIM	COATING
RED8-P1	2510	543360	5500318	73	122	69	18	SED	BRN LIM	COATING
RED8-P2	2511	543360	5500318	112	643	438	96	SED	BLK LIM	COATING

**REDDING CREEK~~GROUPINGS AND AVERAGES PER STATION IN PPM**

Description Codes: BRN= Brown, ORG= Orange, BLK= Black,

Sample	XRF No.	E	N	Cu	Zn	Pb	As	Type	Comments	NOTES
RED8-P3	2512	543360	5500318	0	135	45	0	SED	BRN LIM	COATING
RED8-P4	2513	543360	5500318	39	45	2604	0	SED	BRN LIM	QUARTZ
		<i>AVERAGES</i>		110	179	334	45			
RED9-A	2514	543337	5500284	20	24	21	8	SED	BRN LIM	COATING
RED9-B1	2515	543337	5500284	0	71	49	10	SED	BRN ORG LIM	COATING
RED9-B2	2516	543337	5500284	40	58	15	0	SED	BRN LIM	COATING
RED9-C	2517	543337	5500284	0	29	154	0	SED	DRK BRN BRN LIM	COATING
RED9-D	2518	543337	5500284	44	108	19	0	SED	BRN ORG LIM	COATING
RED9-E	2519	543337	5500284	33	21	185	35	SED	ORG BRN LIM	COATING
RED9-F	2520	543337	5500284	43	76	13	0	SED	ORG BRN LIM	COATING
RED9-G	2521	543337	5500284	21	18	13	0	SED	BRN ORG LIM	COATING
RED9-H	2522	543337	5500284	25	55	24	9	SED	BRN LIM	COATING
RED9-I	2523	543337	5500284	138	91	57	34	SED	BRN LIM	COATING
RED9-J	2524	543337	5500284	33	93	57	114	SED	BRN ORG LIM	COATING
RED9-K	2525	543337	5500284	17	17	21	0	SED	BRN ORG LIM	COATING
RED9-L	2526	543337	5500284	48	112	24	19	SED	BRN ORG LIM	COATING
		<i>AVERAGES</i>		36	59	50	18			

## **APPENDIX 2**

### **MAPS**

1. Field Sample Location 1:10,000
2. Arsenic Average in Limonites 1:10,000
3. Copper Average in Limonites 1:10,000
4. Lead Average in Limonites 1:10,000
5. Zinc Average in Limonites 1:10,000









